Scientific Laboratory Supplies - Safety Data Sheet

CHEIOU

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 2.0 (Replaces revision 1.2 of 16 April 2021)

Revision date: Date printed:

06 November 202316 September 2024

Section 1. Identification

1.1 Product Identifier CHE1600

Product Name CITRIC ACID H2O A.R. 500g.

CAS Number 5949-29-1

REACH Registration No 01-2119457026-42-XXXX

Molecular Formula C(OH)(COOH)(CH2 COOH)2 . H2O = 210.14

1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Scientific Laboratory Supplies

SCIENTIFIC LABORATORY SUPPLIES

Unit 6, Foresters Avenue Fairham Business Park

Fairham Nottingham NG11 2AF

UNITED KINGDOM

Phone 0115 9821111 Fax 0115 9825275

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1.4 Emergency Telephone (08:00-17:00) 0115 9821111

(24hr) 112

(Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Serious eye damage/irritation, category 2 H319: Causes serious eye irritation. Spec target organ tox - single, category 3 H335: May cause respiratory irritation.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Warning

Hazard Pictograms



Hazard Statements Causes serious eye irritation. May cause respiratory irritation.

Precautionary Statements

Wash thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. If eye irritation persists: Get medical advice/attention.

Section 3. Composition

3.1 Substances

Component	mponent CAS No. EEC No.		REACH No.	Conc w/w	CLP Classification (1272/2008/CE)	
Citric acid	5949-29-1	201-069-1	01-2119457026-42-XXXX	100%	Eye Irrit. 2,STOT SE 3 (I)	

Section 4. First Aid

4.1 Description of first aid measures

Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION. Eyes

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure. Seek medical attention if irritation persists.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN

MEDICAL ATTENTION.

Personal protection for first Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media Water spray. Unsuitable Media Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards May support combustion at high temperatures.

5.3 Advice for firefighters

Advice for firefighters Consider all other materials in the vicinity.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection Presents no major hazards.

6.2 Environmental precautions

Presents no major environmental hazard. Environmental

6.3 Methods and material for containment and cleaning up

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

Minor Spillage Wash area down with copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

ſ	Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term	(8hr TWA)	Short Term 15min period)		
	Citric acid	5949-29-1	100%	-	-	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Hand Protection Wear gloves.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance White crystalline powder or granules.

Odour No specific odour. pH 2 @ 20°C solution.

Boiling Point Not available Melting Point 153°C

Flash Point
Upper Flammable Limit
Lower Flammable Limit
Auto Ignition
Explosive Properties
Oxidising Properties
Not applicable

Vapour Pressure Not applicable Relative Density 1.5450 Water Solubility 60%

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions

10.3 Possibility of hazardous

reactions

No data available.

10.4 Conditions to Avoid No specific conditions.

10.5 Incompatable Materials Strong oxidising agents. Alkalis. Reducing agents.

10.6 Hazardous Decomposition None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

Products

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes Contact with the solid or dust may be irritating to the eyes.

Skin Contact with the solid or dust may be irritating to the skin.

LD50 Skin Not available

Ingestion Ingestion of large amounts may cause diarrhoea, nausea, vomiting, hyperpnoea and convulsions.

LD50 Oral 5040mg/kg Human

Inhalation Inhalation of dust may produce irritation of the eyes, nose, throat and respiratory tract.

LD50 Inhalation Not available TCLo Not available

Carcinogenicity Not considered to be a carcinogen.

Mutagenicity Not considered to be a mutagen.

Reproductive Effects None identified

Other Information Used in the food industry.

Section 12. Ecological

12.1 Toxicity Readily bio-degraded in the environment. Does not bioaccumulate. Practically non toxic to: fish LC50->100mg/l,

daphnia EC50 >100mg/l.

LC50 Algal Not available
LC50 Crustacea Not available
LC50 Fish Not available

12.2 Persistence and No data available.

degradability

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil No data available.

12.5 Results of PBT & vPvB

assessment

Assessment not required.

12.6 Other adverse effects None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods Do not dispose of as domestic waste. Dispose of to a licensed land fill site.

Contaminated Packaging Wash out containers with water. Use a licensed waste disposer.

Section 14. Transport Information

14.1 UN Number Non-restricted14.2 Proper Shipping Name Non-restricted

14.3 Transport classes

UN classification None Subsidiary hazard(s) None Transport category None

ADR Hazard ID Non-restricted
Tunnel Restriction Code Non-restricted

14.4 Packing Group None

14.5 Environment hazards See section 12.

14.6 Special precautions for No special precautions required.

user

14.7 Transport in bulk Not transported in bulk.

Section 15. Regulatory Information

$15.1\ Safety, health\ and\ environment\ regulations\ specific\ for\ subtance/mixture.$

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Serious eye damage/irritation, category 2; Spec target organ tox - single, category 3

Signal word Warning

Hazard Pictograms



Hazard Statements H319, H335

Causes serious eye irritation. May cause respiratory irritation.

Precautionary Statements P264, P280, P305+P351+P338, P337+P313

Wash thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. If eye irritation persists: Get medical advice/attention.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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